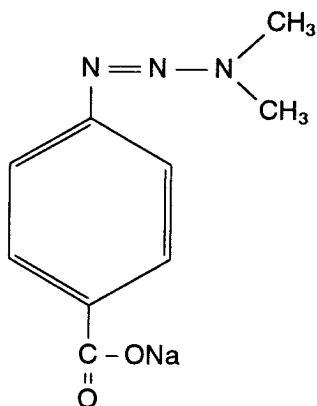


CB 10-277

NSC - 208107



Chemical Name:

4-(3,3-Dimethyl-1-triazenyl)benzoic acid, sodium salt

CAS Registry Number: 49638-52-0

Molecular Formula: C₉H₁₀N₃O₂Na

M.W.:215.1

Approximate Solubility:

(mg/mL)

Water	> 50
Acetate buffer, pH 4	<1
Carbonate buffer, pH 9	> 50
0.1 N HCl	1
Ethanol	16
Methanol	> 50
Dimethyl acetamide	< 1
DMSO	3

DMF	1
Acetonitrile	< 1
Ethyl acetate	< 1
Chloroform	< 1
Toluene	< 1

Stability:

Bulk:

No significant decomposition was observed after 90 days storage at room temperature and at 50 °C under light and dark conditions.

Solution:

The compound was determined to be unstable in distilled water through 72 hr when stored at room temperature under normal laboratory light. The t_{90} was calculated as 28.56 hr.

Ultraviolet Absorption:

(MeOH)

λ_{\max}	ϵ
318 \pm 2 nm	19,860 \pm 110

High Performance Liquid Chromatography:

Column:

Alltech Econosphere, 5 μ ,
250 x 4.6 mm i.d.

Mobile Phase:	Methanol/1% Acetic Acid (50/50, v/v)
Flow Rate:	1.0 mL/min
Detection:	313 nm
Sample Preparation:	≈0.625 and 0.025 mg/mL in methanol
Internal Standard:	<i>p</i> -Aminobenzoic acid, 0.6208 mg/mL in methanol
Retention Volume:	13.5 mL (NSC 208107) 3.5 mL (I.S.)